|  |
| --- |
| Form 1: Sampling Design  |
| Purpose and scope | *Provide a short description of the purpose and the scope for which this sampling design is created (for example sampling design for the national FREL of country X)* |
| Version | *Insert version number of the sampling design* |
| Date | *Insert date on which this version of the sampling design was documented* |

**Basic characteristics of the sampling design**

|  |  |
| --- | --- |
| Type of sampling and sample units | *Document the selected type of sampling (SRS / SYS /STR) and type of sampling units (map pixels / points / others)* |
| Shape and size of the spatial support  | *Document the selected shape and size of the spatial support to be used by the interpreter to assign labels to the sample units* |
| Explanation | *Document the main considerations for choosing the selected options so in the future other can understand the choices made* *If the selected sample design is different from previous sample designs used in the RL or previous monitoring periods, the documentation shall also address how the change in design affects the comparability and accuracy of the results.**If a pilot survey has been conducted as noted in the Instructions, explain how the lessons learned from this pilot survey have served to inform the stratification criteria* |

**Definitions of strata (for cases where stratified [random/ systematic] sampling has been selected)**

|  |  |  |  |
| --- | --- | --- | --- |
| Stratum number / Code  | Stratum name | Description of the stratum | Area in stratification map *ah* |
|  | *Include here* |  | *ah* |
|  | *Include here* |  | *ah* |
|  | *Include here* |  | *ah* |
|  |  |  | A |

***Explanation*:**

*Document the main considerations for choosing the selected stratification scheme so in the future other can understand the choices made.*

*If a pilot survey has been conducted as noted in the Instructions, explain how the lessons learned from this pilot survey have served to inform the stratification criteria.*

*If post-stratification has been applied (e.g. a stable forest class stratum has been improved and divided in a stable forest class post-stratum and a deforestation 2 post-stratum), explain the criteria and the process for defining the post-strata.*

**Number of sample units allocated**

*Include one table per variable of interest or key variable of interest (i.e. area of deforestation in the period of analysis, area of forest degradation in the period of analysis).*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Stratum name | Number of sample units *nh* | Expected proportion *ph* | Stratum weight *Wh* | Expected standard error *S(ph)* | Expected percentage uncertainty of the proportion *U%(ph)* |
| *Include here* | *nh* | *ph* | *Wh* | √*ph(1-ph)/(nh-1)* | ta, df \* S(ph) / ph |
| *Include here* | *nh* | *ph* | *Wh* | √*ph(1-ph)/(nh-1)* | ta, df \* S(ph) / ph |
| *Include here* | *nh* | *ph* | *Wh* | √*ph(1-ph)/(nh-1)* | ta, df \* S(ph) / ph |
|  | N | $\sum\_{h=1}^{H}W\_{h}\*p\_{h}$  |  | $$\sum\_{h=1}^{H}W\_{h}^{2}\*S^{2}(p\_{h})$$ | $$U\%(p) = \frac{t\_{a, df}}{p} \* \sum\_{h=1}^{H}W\_{h}^{2}\*S^{2}(p\_{h})$$ |

***Explanation*:**

*Document the main considerations for allocating the sample units to strata.*

*If a pilot survey has been conducted as noted in the Instructions, explain how the lessons learned from this pilot survey have served to inform the stratification criteria.*

*If intensification on a specific stratum has been applied, document how the intensified samples relate to the existing sample units, e.g. in systematic design, are the intensified samples aligned with the existing samples?*

**Sample unit allocation**

*Document the main steps taken to allocate the sample units to strata or the region of interest, including the steps for randomizing the location.*